Date

Thursday, 13/09/2007 2:58:46 PM

User:

Linda Lacelle

Process Sheet

Customer

: CC-DAR01 Dart Aerospace Ltd.

Job Number **Estimate Number**

: 34668

P.O. Number

: 10804 A(4:

This Issue Prsht Rev.

First Issue

Written By

Comment

Previous Run

: 13/09/2007

: 00015

S.O. No. : PIA.

: LANDING GEAR

Part Number **Drawing Number**

Drawing Name

Project Number

Drawing Revision

Material **Due Date** :N/A

: RTN 632

: D412-664-203

: D412664203

20/09/2007

Qty:

1 Um:

Each

Additional Product

Checked & Approved By

Job Number:



Seq. #:

Description:

1.0 QC5

Comment: INSPECT RTN 632

INSPECT WORK TO CURRENT STEP

Crosstube Aft High

2.0

D412664203

1.0000 Each(s)/Unit Comment: Qty.:

Total:

1.0000 Each(s)

Crosstube Aft High

ORIGINAL B/N 30186 CHG005

3.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

-STRIP TUBE FROM OUTSIDE OF SUPPORTS DOWN TO CUFFS

DO NOT STRIP IN BETWEEN SUPPORTS

MASK OFF 4" AWAY FROM SUPPORTS TO ENSURE STRIPPER DOES NOT REACH SUPPORTS *

2107-09-18

4.0

LANDING GEAR 1

LANDING GEAR RESOURCE 1



Comment: LANDING GEAR RESOURCE 1 POLISH TUBE PER NEW METHOD

TO ACHIEVE LONGITUDINAL BUFFING LINES



	ırsday, 13/09/ da Lacelle	/2007 2:58:46 PM		Process S	heet		
Customer	: CC-DAR01	Dart Aerospace Ltd.			ving Name: D412-664	1-203	
Job Number	: 34668			Pa	rt Number: D412664	203	
Job Number:							
Seq. #:	Machine C	Or Operation:			Description :		
5.0	QC5			INSPECT WORK	TO CURRENT STEP		
Comm	ant: INCDE	TWORK TO CURR	ENT CTED			, , , , , , , , , , , , , , , , , , , ,	
6.0	HAND FINIS		ENI SIEP	HAND FINISHING	RESOURCE #1	00110	
				<u></u>			
Comm		FINISHING.RESOUF NE SIDE OF TUBE P		35 0	57-09 -	. 19	
7.0	QC3				R COAT/CHEMICAL CO		
Comm	ent: INSPEC	III IIIIIIIIIIIIIII Ot powder coat/	CHEMICAL CO	ONVERSION	A05. 240	/ <u> </u>	
8.0	LANDING G	GEAR 1		LANDING GEAR F	RESOURCE 1	1 1881 88 11891 138 81 8188 1881	
				, , 			
Comm		IG GEAR RESOUR(OFF THE 2 OUTER		The	07 09	3 H	•
	CENTE	R SUPPORT		۱, هر	0, 0 ,	8-1	(1)
		: AND PAINT WHITE SI 005 4.2.1.5					•
9.0	QC14	M 1818 118121 BE11 1881	4	INSPECT SPRAY	PAINT		
Comm	ent: INSPEC	CT SPRAY PAINT	m o	10926))		
10.0	LANDING G	SEAR 1		LANDING GEAR F	RESOURCE 1		
			+ n	,			
Comm	PICK N	IG GEAR RESOUR(EW ASS'Y KIT: 21920-28 B 1 05 2	ا.م. م	07 09 2	5 Rul	ober cublion	.B33835
1	2 X MS:	21920-30 B_ <i>10013</i>	54 R 3020	1	vote: pos,	· tion chaffing	shilds 45° Aft
		supports with magn 6398 Magnobond	Batch: Expiry Date		for for 12 Hrs	I M	, 111
	2-Install	clamps as per Dwg	D212-664-141	. Torque clamps	to 80-100 in lb.	////	07/09/25
							/ /

Date: Thursday, 13/09/2007 2:58:46 PM User: Linda Lacelle **Process Sheet** Drawing Name: D412-664-203 Customer: CC-DAR01 Dart Aerospace Ltd. Part Number: D412664203 Job Number: 34668 Job Number: Description: Seq. #: **Machine Or Operation:** Clamp(per MIL-DTL-8783C) 11.0 MS2192028 See previous proje Total: 4.0000 Each(s) 4.0000 Each(s)/Unit Comment: Qty.: Clamp(per MIL-DTL-8783C) clamp(per MIL-DTL-8783C) MS2192030 12.0 See previous proge. 2.0000 Each(s) Comment: Qty.: Total: clamp(per MIL-DTL-8783C) INSPECT WORK TO CURRENT STEP 13.0 QC5 CURRENT STEP Comment: INSPECT PACKAGING RESOURCE #1 14.0 **PACKAGING** Comment: PACKAGING RESOURCE #1 Pick Packing Kit Bolt 15.0 AN640A Comment: Qty.: 4.0000 Each(s)/Unit Total: 4.0000 Each(s) Bolt Batch: AN641A 16.0 Comment: Qty.: Total: 2.0000 Each(s) Bolt Batch: Comment: Qty.: Total: 18.0000 Each(s) Washer

Date: Thursday, 13/09/2007 2:58:46 PM Linda Lacelle User: **Process Sheet Drawing Name: D412-664-203** Customer: CC-DAR01 Dart Aerospace Ltd. Part Number: D412664203 Job Number: 34668 Job Number: Description: Seq. #: **Machine Or Operation:** MS21042L6 Nut 18.0 Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s) Nut QC4 19.0 100% KITS FOR COMPLETENESS Comment: INSPECT PACKAGING RESOURCE #1 20.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and pack for shipping as per PPP D412-664-203 **USING NEW B/N NEW PAPERWORK AND LABELS REQ'D** ******Ensure tube is not packaged if curing time is less than 12 hrs, see step 27 for application time & date Time & date of packaging: Location: PPP Rev: 21.0 Comment: FINAL INSPECTION/W/O RELEASE U St.09.28 Job Completion



DESIG	PH	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KED (C)	APPROVED ALL	DRAWING NO. REV. I
	4/		D412-664-243 SHEET 1 OF :
DATE			TITLE SCALI
07.0	03.09		CROSSTUBE ASSEMBLY (412 HI AFT) NT
Α		01.10.17	NEW ISSUE
В		05.02.04	ADD HOLES FOR COMPATABILITY WITH BHT/AA SKIDTUBES
С		06.10.27	REMOVE D2856-600-1087, ADD

D3595-063-570

D2732-058 & MAGNOBOND 6398 MS21920-32 WAS MS21920-30

REMOVE D2732-058, CHANGE TO

OT OY 24

Qty	Part Number	Description		
X	D412-664-243	CROSSTUBE ASSEMBLY (412 HIGH AFT)		
1	D6009-129	CROSSTUBE		
2	D3595-063-570	RUBBER CUSHION		
1	D2896-1	SUPPORT		
2	D2856-600-1009	ABRASION STRIP		
_4 _	_MS21920-28	-CLAMP		
2	MS21920-30	CLAMP (OR MS21920-32)		
2	D3189-1	CHAFING SHIELD		
A/R	MAGNOBOND 6398	ROCKWELL SPECIFICATION RBO-120-023 ADHESIVE (TEXTRON/BELL SPEC. 299-947-100 TYPE II, CLASS 2 ADHESIVE)		

07.03.09

GENERAL NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 2) MATERIAL: MANUFACTURED FROM D6009-129

FINISHED LENGTH = 124.09±0.020

D

- 3) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2 PAINT OUTSIDE PER DART 005 4.2
- 4) PART IS SYMMETRIC ABOUT CENTERLINE.
- RUN-OFF PART. BLEND OUT EDGE LONGITUDINALY, TRANSITION SHOULD BE SMOOTH.
- 6) BEND PROGRESSIVELY WITH A MINIMUM OF 8 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D.
- 7) LIQUID PENETRANT INSPECT OUTSIDE SURFACE OF CROSSTUBE PER QSI 038.
- 8) SCRIBE DART PART NUMBER AND BATCH NUMBER IN THIS AREA WITH VIBRATING STYLUS.
- 9) INSTALL D2856-600-1009 ABRASION STRIP WITH A 0.13 (REF) GAP ON BOTTOM SIDE OF CROSSTUBE PER QSI 035.
- 10) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.
- 11) APPLY A 0.03" TO 0.06" THICK LAYER OF MAGNOBOND 6398 TO THE SURFACE OF D2896-1 THAT WILL BE IN CONTACT WITH THE CROSSTUBE PER QSI 015. LET CURE FOR 12 HOURS AFTER INSTALLATION AND PRIOR TO PACKAGING.
- 12) INSTALL MS21920-30 CLAMPS (OR -32) WITH D3595-063-570 RUBBER CUSHIONS TO SECURE D2896-1 SUPPORT ON TOP SIDE OF THE CROSSTUBE. ENSURE CLAMPS ARE OPPOSITE CROSSTUBE SUPPORT.
- 13) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.

14/0 34/68

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